



**STATEMENT OF WORK OF CONSTRUCTION SERVICES**  
**South Duck Lake Boardwalk**  
**At Catahoula National Wildlife Refuge**  
**Near Jonesville, Louisiana**  
**2/3/2025**

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**1 DESCRIPTION OF THE WORK**

- A. This work consists of construction of a new approximately 300' L x 5'-9" W timber boardwalk near South Duck Lake at Catahoula National Wildlife Refuge (NWR).
- B. The work shall include demolishing existing timber framing from previous boardwalk and then furnishing, transporting, and installing all new materials for a timber boardwalk.
- C. New materials include timber piles, dimensional lumber for decking, girders, guardrail posts, stringers, blocking, braces, top rails, and toe boards, metal handrails, 4" x 4" metal wire mesh, metal fasteners, and concrete approach slab, all milled, fabricated, formed, and rolled as necessary and installed in accordance with the construction plans attached hereto and made a part hereof to provide a full and functional facility.
- D. Also included is necessary site preparation, erosion, sedimentation, and clearing and grubbing.
- E. Contractor will be required to obtain all necessary federal, state, or local permits for the construction activity.
- F. Government Furnished Information: The drawings accompanying this Statement of Work (SOW) have not been field verified by the Government. Bidders shall make their own measurements in preparation of their bid.
- G. References to the "Owner" in the plans shall be deemed to mean the Contracting Officer.
- H. Physical Address:  
Catahoula National Wildlife Refuge  
210 Catahoula NWR Road  
Jonesville LA 71343
- I. The work site is located on the Catahoula National Wildlife Refuge (Refuge) and is accessible via unpaved Refuge roads. Project coordinates of the parking lot near the beginning of the boardwalk are approximately N31.5393138°, W92.0363777°.

**2 QUALITY ASSURANCE**

- A. Construction activities shall be supervised at all times by a competent superintendent who is deemed acceptable to the Government; authorized to act on the Contractor's behalf; and be present on the job site at all times when contract work is being performed.
  - B. Contractor shall be responsible for preparing and implementing Quality Control and Safety Plans for the work activity.
- 3 COORDINATION AND WORK PHASES
- A. This work effort will require a collaborative approach to complete permitting, construction, scheduling and coordination, materials, inspections, acceptance, and close-out requirements.
  - B. The phases of work under this contract will consist of:
    - i. Phase 1 – Submittals. The Contractor shall be responsible for submitting product and materials of construction information.
    - ii. Phase 2 – Permitting. The Contractor will be responsible for obtaining applicable Federal, state and local permits. The U. S. Fish & Wildlife Service (Service) is unaware of any permits that need to be acquired. Contractor shall determine if any permit is required. Contractor is responsible for preparing the permit application and accompanying data, submitting for the permit, and paying for the permit.
    - iii. Phase 3 – Demolition and Construction. The Contractor will be responsible for the physical demolition and construction of the project and executing effective quality control in accordance with the contract documents. Specified sampling and testing services will be performed by certified independent material testing laboratories at the expense of the Contractor.
    - iv. Phase 4 – Inspections, Acceptance and Close-Out. Following the completion of construction with final inspection/acceptance by the Service, the Contractor shall submit final close-out documents.
  - C. DEMOLITION AND CONSTRUCTION
    - i. The work must be completed in accordance with the contract documents and this SOW.
    - ii. Refer to Paragraphs 1.5 – 1.12.
    - iii. Refer to the Louisiana Department of Transportation and Development (LaDOTD) Standard Specifications for Roads and Bridges.
    - iv. Refer to American Society of Testing and Materials (ASTM).
    - v. Refer to American Concrete Institute (ACI).
    - vi. Refer to American Institute of Steel Construction (AISC).
    - vii. Refer to American Wood Protection Association (AWPA).
- 4 GOVERNMENT FURNISHED MATERIALS AND SERVICES
- A. A. The Government will not provide labor, equipment, materials, utilities, or security.
  - B. The Government will perform inspections of the progress of work for its own benefit, but the Contractor is responsible for performing their own inspections.
- 5 MATERIAL AND PRODUCT SUBMITTALS
- A. Transmit for review the information for materials and products to be installed.
  - B. Submittals shall be made in electronic file format.
- 6 LAYOUT WORK
- A. The contractor is responsible for laying out the work as called for by the contract

documents including this SOW.

- B. Submit the name and credentials of the land surveyor currently registered in the State of Louisiana. FWS reserves the right to reasonably disapprove of the nominated surveyor.

#### 7 PERMITTING

- A. The Contractor is responsible for preparing and submitting documents and paying fees.
- B. The Service shall not pay for any costs for permitting delays for which it is not in control.

#### 8 WORKING CONDITION

- A. The site is subject to inundation from the Mississippi River backwater and is typically only exposed for a few months during the Fall season each year. The Service cannot guarantee the timing, length, or extent of the presence of backwater flooding.
- B. The Contractor, during the construction period, may leave equipment at the worksite. Coordinate with the Refuge Manager as to location and available space.
- C. The Contractor shall be responsible for repairing damages caused by its operations to Refuge land.
- D. Trees in this area are critical and ONLY trees that are 6-inches in diameter or less may be removed but ONLY after gaining permission from US FWS first.
- E. Unmanned aerial systems, including drones and similar technology, are not permitted for use per Department of the Interior Secretarial Order No. 3379.

#### 9 PREPARATORY WORK

- A. Furnish, transport, and install project signs.
- B. Buried utilities have not been located by the Government. Contractor shall have buried utilities located prior to beginning work and shall protect all buried utilities.
- C. Furnish, transport, and install erosion and sedimentation control measures.
- D. Furnish, transport, and install barricades, warning signs and delivery trucks routing signs.

#### 10 DEMOLITION OF EXISTING BOARDWALK

- A. Remove remnants of previous boardwalk and legally dispose of off Refuge property.
- B. Burning nor burying of debris on Refuge property is not allowed.
- C. Existing piling may be cut off at ground level.
- D. Search a corridor 50' wide on either side of the centerline of the previous boardwalk to locate dimensional lumber debris deposited by prior storms and/or floods. Upon discovery of such debris, remove and legally dispose of off Refuge property.
- E. Using industrial grade, professional, metal detectors, sweep a 15' wide corridor centered on the previous boardwalk to locate surface and near-surface metal objects that may have become dislodged. Retrieve all such metal debris and legally dispose of off Refuge property.

#### 11 CONSTRUCTION OF BOARDWALK

- A. Construct the boardwalk in accordance with the contract documents and this SOW.
- B. Debris from clearing and grubbing operations shall be disposed of legally off Refuge property.
- C. Burning or burying of debris will not be allowed on Refuge property.
- D. Supplemental Requirements and Clarifications:
  - i. Products named by manufacturer are shown on the drawings to establish a

standard of quality only. Equal products by other manufacturers will also be accepted. Specifications of products named by manufacturers are listed below:

1. Simpson Strong Tie Wood Framing Connectors
    - a. Steel: Connectors are fabricated from ASTM A653, SS designation, Grade 33, galvanized steel with a minimum yield strength,  $F_y$ , of 33,000 psi (227 MPa) and a minimum tensile strength,  $F_u$ , of 45,000 psi (310 MPa).
      - i. HTS 12 – Heavy Twist Straps 12” length
      - ii. 0.276" shank diameter
      - iii. ASTM A153 Class-C hot-dip galvanized coating
      - iv. SawTooth point design for no predrilling
      - v. Oversized 0.93"-diameter
  2. Simpson Strong Tie SDWH Timber-Hex HDG Screws
    - a. 0.276" shank diameter
    - b. ASTM A153 Class-C hot-dip galvanized coating
    - c. SawTooth point design for no predrilling
    - d. Oversized 0.93"-diameter integral washer
  3. Simpson Strong Tie SDWS Timber Screws
    - a. Double-barrier coating
    - b. 0.220" shank diameter
  4. Simpson Strong Tie SDS Heavy-Duty Connector Screws
    - a. 0.250"-diameter
- ii. Pile bent spacing called out on Drawing No. C1.2 for Pile Bent No's. 1 – 9 and Drawing No. C1.3 for Pile Bent No's. 10 – 23 should be 10' rather than 8'.
  - iii. Provide a light broom finish transverse to the centerline of the concrete approach slab.
  - iv. Dimensional lumber shall be surfaced 4 sides (S4S).
  - v. Deckboard screws shall be installed at every stringer crossed by the deckboard.
  - vi. Aluminum Handrails:
    1. Install only along ramps that equal or exceed a slope of 5% (1:20). Install on both sides of walkway.
    2. Install handrails continuous through the two each level landings.
    3. Open ends of handrails to be capped to avoid insect infestation.
  - vii. Drawing S2.0, Detail C, Typical Walkway Plan
    1. End of stringer overlap shall be 24”.
    2. Install mid-span blocking between stringers.
  - viii. Piling:
    1. Drive piles without exceeding the following tolerances, measured at pile heads:
      - a. Location: Four (4) inches from location indicated after initial driving, and six (6) inches after pile driving is completed.
      - b. Plumb: Maintain one (1) inch in 48 inches from vertical, or a maximum of four (4) inches, measured when pile is above ground in leads.

- E. Dewatering
  - i. The Contractor is responsible for the control of both surface and ground water during construction.
  - ii. After acceptance of the work, The Contractor is responsible for control of both surface and ground water for protection of features that may be adversely affected by exposure to water, until those features have stabilized.

## 12 QUALITY CONTROL

- A. Contractor shall engage a qualified geotechnical engineering firm or independent testing agency to perform concrete strength tests.

## 13 CLOSE OUT DOCUMENTS AND TASKS

- A. Notify Site Representative when ready for a pre-final inspection. A Pre-Final Punch List may be developed as result of this inspection of any items not meeting contract requirements for final acceptance. Any discrepancies noted shall be corrected prior to final inspection. The Government reserves the right to request a pre-final Inspection or final inspection.
- B. The Contracting Officer shall be notified in writing by the Contractor when ready for the final inspection ten (10) calendar days before the desired date or required completion date of the contract.
- C. The final inspection shall be performed with the Contractor by the Contracting Officer's Technical Representative and/or representatives of the using activity. The Contractor and/or his Project Supervisor shall be present at the job site during final inspection. The Contracting Officer will present to the Contractor, after inspection, a punch list of any items not meeting Contract requirements for final acceptance. This list will be confirmed in writing, and any items therein must be made acceptable before final payment will be made. Any discrepancies noted shall be corrected within the time specified in the contract for final completion. Only the Contracting Officer is authorized to accept work performed.
- D. Submit two (2) full size sets of red lined drawings that clearly indicate the as-constructed work.
- E. Remove silt fencing and appurtenances, and project signs. Remove project support facilities.
- F. Submit fully executed manufacturer's material and product warranties transferred to the Government.

- 14 Submit release of claims certification using Government's standard form to the Contracting Officer.

## ATTACHMENTS

- 1 Construction Plans, 9 sheets, prepared by Gulf States Engineering.
- 2 Geotechnical report prepared by Southern Earth Sciences Inc., Report Number M18-262, Dated August 23, 2018.

END OF STATEMENT OF WORK OF CONSTRUCTION SERVICES